

# Converting Colors

CIELCh(84, 53.576, 134.362)

Have a look what the booklet for  
CIELCh(84, 53.576, 134.362)  
contains.

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**Color**

**CIELCh(84, 53.786, 134.533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0E387
RGB	160, 227, 135
RGB Percent	63%, 89%, 53%
CMY	0.3731, 0.1103, 0.4711
CMYK	0.30, 0.00, 0.41, 0.11
HSL	104°, 62%, 71%
HSV	104°, 41%, 89%
XYZ	46.2641, 64.0658, 32.8013
YIQ	196.4790, -10.4000, -42.8160

# Conversions

## Conversions Part 2

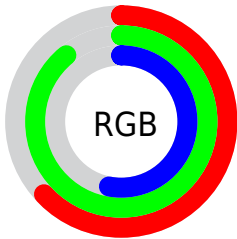
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 227, 202
Decimal	10544007
CIELab	84.00, -37.72, 38.34
CIELCh	84, 53.786, 134.533
Yxy	64.0658, 0.3232, 0.4476
Android (android.graphics.Color)	4288734087 (0xFFA0E387)
YUV	196.4790, -30.3091, -31.9921
Hunter-Lab	80.0411, -36.8981, 31.7314

# Details

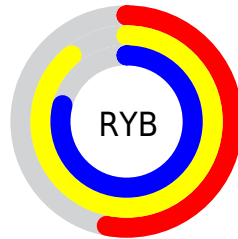
The CIELCh color **84, 53.786, 134.533** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **66, 55.222, 318.357**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 36.320, 130.494**, and **64, 53.411, 134.498** is the 20% darker color. If you saturate the color by 10%, you get **83, 66.351, 133.947**, and if you desaturate by 10%, it is **85, 40.719, 135.118**.

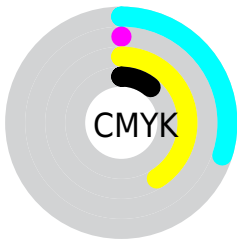
# Distribution



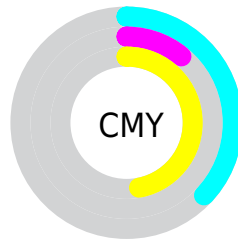
- Red (63%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (79%)



- Cyan (30%)
- Magenta (0%)
- Yellow (41%)
- Black (11%)




- Cyan (37%)
- Magenta (11%)
- Yellow (47%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 53.786, 134.533 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 84, 53.786, 134.533 by changing the saturation by 10% instead.





 84, 53.786,  
134.533


 84, 53.786,  
134.533


 100, 53.786,  
134.533


 74, 53.786,  
134.533

 64, 53.786,  
134.533

 54, 53.786,  
134.533

 44, 53.786,  
134.533

 34, 53.786,  
134.533


 24, 53.786,  
134.533


 14, 53.786,


134.533


 4, 53.786, 134.533


 0, 53.786, 134.533

 84, 53.786,  
134.533


 84, 53.786,  
134.533


 83, 66.351,  
133.947


 85, 40.719,  
135.118

 82, 78.058,  
133.416


 87, 27.404,  
135.668


 81, 88.435,  
133.033

 88, 14.025,  
136.173

 80, 96.912,  
132.922

 90, 0.716, 136.890

 80, 102.958,

 92, 12.428,  
316.973

133.207

93, 17.592,  
325.034

80, 106.477,  
133.798

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84, 53.786, 134.533



66, 55.222, 318.357

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 53.786, 134.533



84, 53.786, 184.533



84, 53.786, 314.533



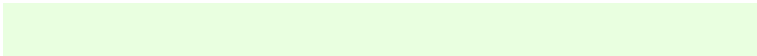
84, 53.786, 4.533

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



84, 53.788, 134.534



98, 17.553, 136.099



82, 36.289, 89.750



52, 11.649, 136.034



0, 0.000, 0.000



53, 0.007, 296.813



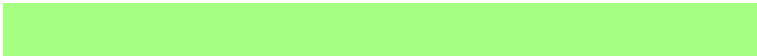


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 53.788, 134.534



92, 70.833, 134.018



83, 50.214, 147.706



46, 7.479, 136.227



63, 87.838, 133.600



17, 32.955, 134.432



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



66, 55.222, 318.357



68, 73.051, 318.682



68, 50.394, 333.845



44, 7.534, 317.007



33, 90.178, 318.306



5, 35.021, 318.823



# Previews

## White Background



This preview shows how the CIELCh color 84, 53.786, 134.533 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 84, 53.786, 134.533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 84, 53.786, 134.533**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 84, 53.786, 134.533.

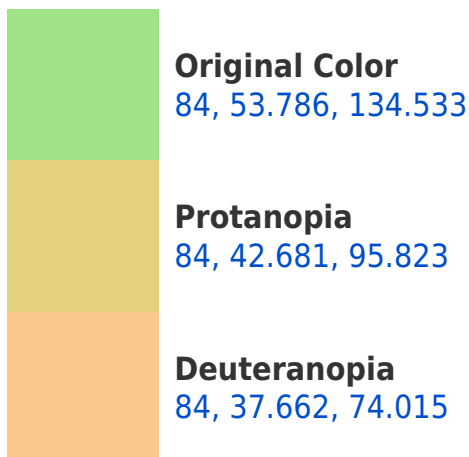


This preview shows how white text looks on a background with the CIELCh color 84, 53.786, 134.533.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy







**Tritanopia**  
84, 15.751, 235.979

# Trichromacy



**Original Color**  
84, 53.786, 134.533



**Protanomaly**  
83, 43.966, 112.731



**Deuteranomaly**  
83, 36.964, 102.502

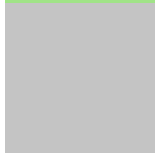


**Tritanomaly**  
84, 21.041, 164.447

# Monochromacy



**Original Color**  
84, 53.786, 134.533



**Achromatopsia**  
79, 0.010, 296.813



**Achromatomaly**  
81, 19.709, 135.878

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 53.786, 134.533 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(160, 227, 135)` looks like.

```
.text, #text, p{  
    color:rgb(160, 227, 135)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(160, 227, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 227, 135) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 53.786, 134.533 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(160, 227, 135) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(160, 227, 135) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(160, 227, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 227, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 227, 135);  
box-shadow:4px 4px 4px 4px rgb(160, 227,  
135) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 53.786, 134.533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 227, 135) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(160,  
227, 135) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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